

Hole, and parallel to it, and then (with its white part) through an oblong Hole H, whose breadth is about the fortieth or sixtieth part of an Inch, and which is made in a black opaque Body GI, and placed at the distance of two or three Feet from the Prism, in a parallel situation both to the Prism and to the former Hole, and if this white Light thus transmitted through the Hole H, fall afterwards upon a white Paper pt, placed after that Hole H, at the distance of three or four Feet from it, and there paint the usual Colours of the Prism, suppose red at t, yellow at s, green at r, blue at q, and violet at p; you may with an iron Wire, or any such like slender opaque Body, whose breadth is about the tenth part of an Inch, by intercepting the rays at k, l, m, n or o, take away any one of the Colours at t, s, r, q or p, whilst the other Colours remain upon the Paper as before; or with an obstacle something bigger you may take away any two, or three, or four Colours together, the rest remaining: So that any one of the Colours as well as violet may become outmost in the confine of the shadow towards p, and any one of them as well as red may become outmost in the confine of the shadow towards t, and any one of them may also border upon the shadow made within the Colours by the obstacle R intercepting some intermediate part of the Light; and, lastly, any one of them by being left alone may border upon the shadow on either hand. All the Colours have themselves indifferently to any confines of shadow, and therefore the differences of these Colours from one another, do not arise from the different confines of shadow, whereby Light is variously modified as has hitherto been the Opinion of Philosophers.

phers. In trying by how much the intervals between the Chamber darkened by the experiment succeeded, but diminished, but visible. To prove for this Experiment prismatick Vessels cemented together

The Sun's Light through the round Hole of the Prism AB, and a Lens PT some distance about eight Feet from it, converged to O the focus at three Feet, and there that Paper was placed on it, as 'tis red, and the Colours upon it being turned about, came very much altered in the position. In one case appeared Here one and the same place, according to the Paper, appeared or red, in a thin